

### Abstract

A liquid crystal device has a liquid crystal panel having liquid crystals sandwiched between a counter substrate and a color filter substrate. A backlight using a white LED irradiates light onto the liquid crystal panel as a light source. The color filter substrate has a red color layer, a blue color layer and a green color layer. The red color layer has an average light transmittance of 2% or less in a wavelength band of 500 to 575 nm.